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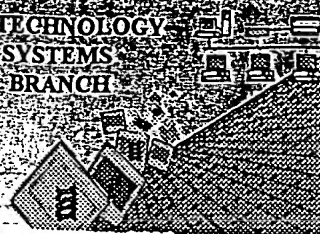
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Application Serial Number: 09/957,458

Source: O/PK

Date Processed by STIC: 12/4/2002

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

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2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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OPIE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 11/20/2002

TIME: 16:54:00

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

3 <110> APPLICANT: Chen-Bettecken, Yu-Hua Una  
 5 <120> TITLE OF INVENTION: Method for growing stem cells.  
 7 <130> FILE REFERENCE: 010755 us ME/BM  
 9 <140> CURRENT APPLICATION NUMBER: 09/957,458  
 C--> 10 <141> CURRENT FILING DATE: 2002-11-18  
 12 <160> NUMBER OF SEQ ID NOS: 9  
 14 <170> SOFTWARE: PatentIn Ver. 2.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 7369  
 18 <212> TYPE: DNA  
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 57 <221> NAME/KEY: variation  
 58 <222> LOCATION: (764)  
 59 <223> OTHER INFORMATION: any nucleotide

*see item 11 on diskette that*

Does Not  
Corrected Diskette Needed

PP. 1-2, 5-6

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002  
TIME: 16:54:08

Input Set : A:\UNA CHE1.APP  
Output Set: N:\CRF4\12032002\I957458.raw

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66 <220> FEATURE:  
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79 <223> OTHER INFORMATION: any nucleotide  
81 <220> FEATURE:  
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83 <222> LOCATION: (874)  
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108 <222> LOCATION: (927)  
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118 <222> LOCATION: (935)  
119 <223> OTHER INFORMATION: any nucleotide  
121 <220> FEATURE:

*do you mean (834)? "a" is at location 844  
(see p5)*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002

TIME: 16:54:01

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

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149 <223> OTHER INFORMATION: any nucleotide  
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154 <223> OTHER INFORMATION: any nucleotide  
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158 <222> LOCATION: (1012)  
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163 <222> LOCATION: (1026)..(1027)  
164 <223> OTHER INFORMATION: any nucleotide  
166 <220> FEATURE:  
167 <221> NAME/KEY: variation  
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174 <223> OTHER INFORMATION: any nucleotide  
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179 <223> OTHER INFORMATION: any nucleotide  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002

TIME: 16:54:01

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

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213 <222> LOCATION: (1114)..(1115)  
214 <223> OTHER INFORMATION: any nucleotide  
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239 <223> OTHER INFORMATION: any nucleotide  
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242 <221> NAME/KEY: variation  
243 <222> LOCATION: (1138)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002

TIME: 16:54:01

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

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247 <221> NAME/KEY: variation
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259 <223> OTHER INFORMATION: any nucleotide
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263 <222> LOCATION: (1664)..(1668)
264 <223> OTHER INFORMATION: any nucleotide
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269 aggtaagggg ctcccaagtc ccaaacttga ggggtccataa actctgtgac agtggcaatc 180
270 actttgcctt tctttctaca ggggtgaatt cggctttcac agagcattca ccgctgaccc 240
271 ctacccgtcg ggacctctgt agccgctcta tctggctagc aaggaagatt cgttcagacc 300
272 ttgactgctc ttacggaatc ctatgtaagt tgcctatttt gctgttatct gttttccctt 360
273 catctttttt gatccagcaa cttaccatca cgcacagct ccattaccaa ttgtgaaagc 420
274 tctaatacata tagtcattca tataggttat ttgacatggg cctttccctt gaggaaaccc 480
275 atgtgacttt atttttcttc tctgggctgt ttaggagatg aagttacttg aatgagaaaa 540
276 tatatatgga gttctagaaa ggattggttt atatgtcttg gaggtatttt caaaatttat 600
W--> 277 ttggccatat attctgaata ctacctagaa bagattagcc atgggcccctn tgggtnttnc 660
W--> 278 ataagccatt gttctgaant tttttagctt tgtaaataag aggtttatgg gataggaaga 720
W--> 279 gtncctatgaa cgtgggagga atttgtaaatt cctaccaatt tntnctatat agcattagcc 780
W--> 280 ccacactttt antattctgc atcaaaagta agattgtgtc taaagagaaa ggttagctat 840
W--> 281 caaaaggact cctataanat tcnttggaaa cttntggaaan tgtcaaattt ntttgagcta 900
W--> 282 attnttggag ttccaaantt tgtcttntna cagtnaaggg gganccccat tcanatttnc 960
W--> 283 cccctnnng anaatgcttg ggggaaaaaa cctnccaacc ccttgtggg angaagtttt 1020
W--> 284 tttaannttt taaggctngn ngaaacnggn ttttaatttt ttgggncnan cgcctntccc 1080
W--> 285 cggtagcagg aaaatcagga cctntttttg gggngngncn ccnacngggg ggnaaaangg 1140
W--> 286 gaaatttcnt canaaaaaat cttttccggn nnnngtgaag catcagggcc tgaacaagaa 1200
287 catcaacctg gactctgcgg atgggatgcc agtggcaagc actgatcagt ggagtgaagt 1260
288 gaccgaggca gacggaactc aagagaacct tcaagcttat cgtaccttc atgttttgtt 1320
289 ggccaggctc ttagaagacc agcaggtgca ttttacccca accgaagggtg acttccatca 1380
290 agctatacat acccttcttc tccaagtcgc tgcctttgca taccagatag aggagttaat 1440
291 gatactcctg gaatacaaga tccccgcaa tgaggetgat gggatgccta ttaagtgttg 1500
292 agatgggtgt cttcttgaga agaagctgtg gggcctaaag gtgctgcagg agctttcaca 1560
293 gtggacagta aggtccatcc atgaccttcg tttcatttct tctcatcaga ctgggatccc 1620
W--> 294 agcacgtggg agccattata ttgctaacaa caagaaaatg tagnnnnngc ggcctgcgcc 1680
295 gtctttcccg acgttaaagg gatgaaacca caagacttac cttcgtctcg aagtaaaacg 1740
296 acaaacacac acagttttgc ccgttttcat gagaaatggg acgtctgcgc acgaaacgcg 1800
297 ccgtcgtctt aggaggactt gtacaaacac gatctatgca ggtttcccca actgacacaa 1860

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/957,458DATE: 12/04/2002  
TIME: 16:54:02Input Set : A:\UNA CHE1.APP  
Output Set: N:\CRF4\12032002\I957458.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 39,40,41,87,650,657,679,723,762,764,792,834,858,863,874,880  
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Seq#:1; N Pos. 1012,1026,1027,1038,1040,1041,1047,1050,1066,1068,1070,1076  
Seq#:1; N Pos. 1104,1114,1115,1117,1120,1123,1126,1133,1138,1149,1153,1169  
Seq#:1; N Pos. 1170,1171,1172,1173,1174,1664,1665,1666,1667,1668  
Seq#:3; N Pos. 35,36,82,645,652,674,718,757,759,787,829,853,858,869,875,886  
Seq#:3; N Pos. 899,913,922,924,930,939,949,954,962,963,964,967,989,998,1007  
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